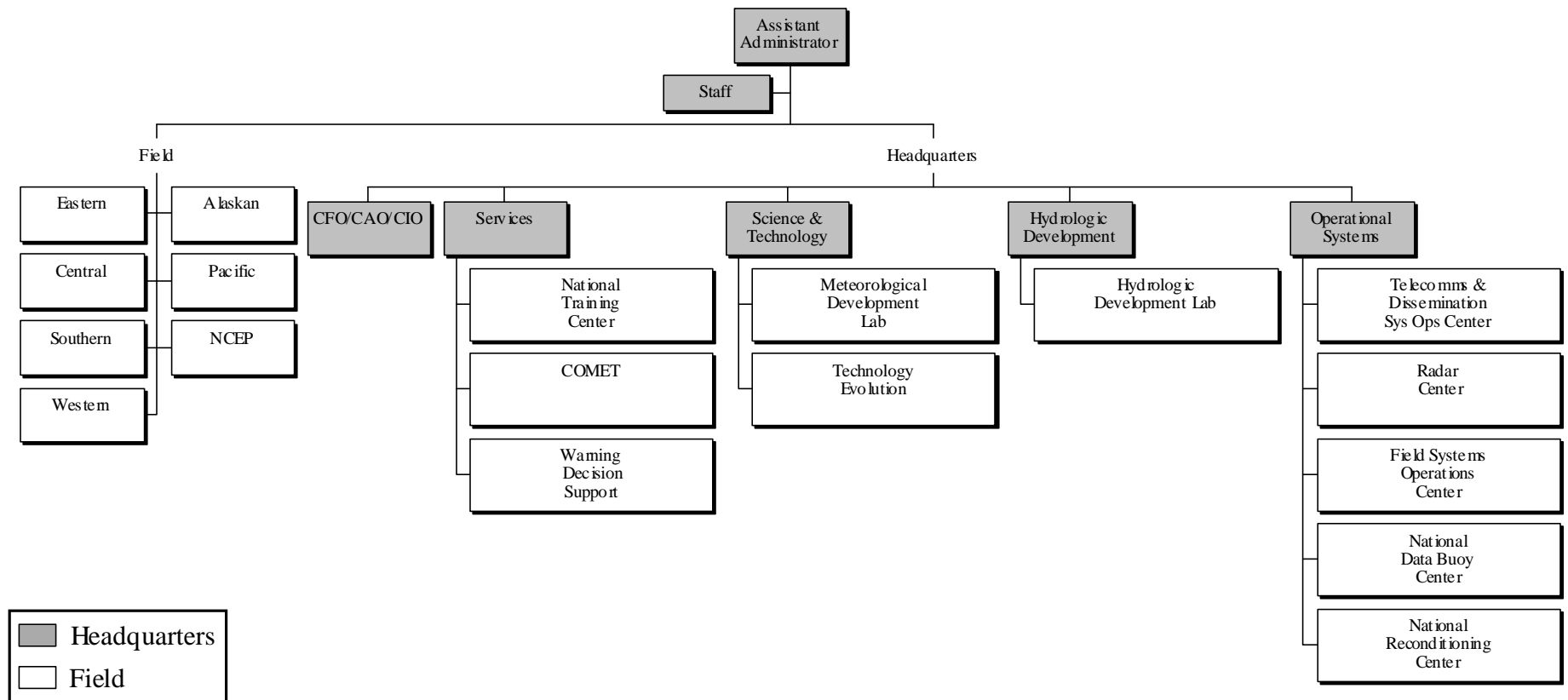


NWSH Reorganization

April 22, 1999

Proposed NWS Organization



Benefits

- P Clearly segregates headquarters functions (policy, resource allocation, leadership, management, oversight) from field functions (service delivery, research)
- P Reduces the number of headquarters personnel
- P Strong links between meteorological and hydrological science and services
 - < Integrated Work Teams (IWT)
 - < Program & Plans Division

Benefits

(Cont)

P Product Improvement managers for AWIPS, NEXRAD, and ASOS in one Office give focus to major areas

- < A laboratory devoted to improvement of observational capabilities
- < A laboratory responsible for managing AWIPS software development and testing before implementation
- < AWIPS and NEXRAD Product Improvement Managers in one office facilitates a closer union of hardware and software
- < A laboratory devoted to testing of new science and techniques for infusion into AWIPS or NEXRAD

Benefits

(Cont)

P Office of Services embraces weather, water, and climate

- < Organized around service areas

- < Activities of each service area coordinated through an IWT

P IWTs will ensure coordination with all NWS Offices and Regions in service areas and major science and technology areas

- < A Science/Services Baseline will be established

- < Development will be linked to evolving service needs

Benefits

(Cont)

- P Plans & Programs Division of Science & Technology will insure coordination of Research Development across the NWS
- P Ensures continual refreshment of the NWS strategic plan
- P Places emphasis on financial and technology management

Integrated Work Teams

Mission: Provide formal matrix structure for selected functions and activities

P Participants:

- < CFO/CAO/CIO - financial, human and technology resources
- < Science and Technology - technology improvements
- < Hydrologic Development - technology improvements
- < Services - delivery of services to users
- < Operational Systems - management of operational systems

P Lead Organization based on need and maturity of activity; team leadership may change over time

P Integrated Work Team lead organization recommended by Office Directors, approved by AA

Office of the Assistant Administrator

Assistant Administrator

- P Deputy AA
- P Executive Affairs
- P EEO Manager
- P International Affairs Staff
- P Strategic Planning and Policy Staff
- P Communications Staff
- P Matrix support from NOAA: Public Affairs, Legislative Affairs, Human Resources, General Counsel

Office of CFO/CAO/CIO

Office of CFO/CAO/CIO

Mission: Through leadership and partnerships obtain and effectively and efficiently manage financial, human, physical and information resources to enable NWS to fulfill its mission.

P CFO/CAO/CIO

P Budget Formulation

P Policy, Program and Financial Analysis

P Capital and Investment Analysis

P Budget Execution/funds control

P Human Resources

Office of CFO/CAO/CIO

Mission: Through leadership and partnerships obtain and effectively and efficiently manage financial, human, physical and information resources to enable NWS to fulfill its mission.

(Cont)

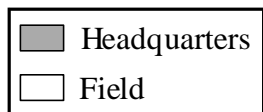
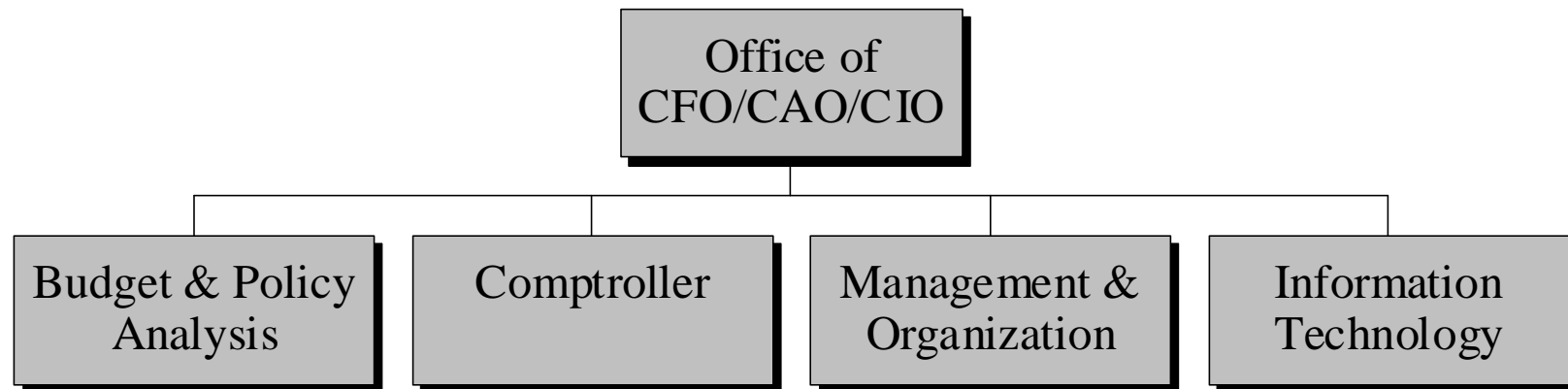
P Administration

P Organization Development

P LAN/WAN/email/headquarters technology support

P Information Technology Policy and Standards

Office of CFO/CAO/CIO



Office of CFO/CAO/CIO

Budget and Policy Analysis Division

- P Budget Formulation
- P Operating Plan and Performance
- P Capital and Investment Analysis
- P Modernization Tracking
- P Performance Analysis

Office of CFO/CAO/CIO

Comptroller

- P Budget Execution
- P Resources Management/Funds Control
- P Audit Liaison
- P Business Process Improvement
- P Cost Accounting
- P Systems Accounting
- P Financial Accounting
- P Financial Analysis

Office of CFO/CAO/CIO

Management and Organization Division

- Administration
- Publication Standards
- Human Resources Management (labor management and performance standards)
- Organization Development
- Headquarters Facilities
- Financial and Administrative Software
- Graphics
- NWS wide e-mail
- NWS Headquarters LAN/WAN

Office of CFO/CAO/CIO

Information Technology Division

- P Systems Architecture
- P Hardware Policy and Standards
- P Software Policy and Standards
- P Telecommunication Policy and Standards
- P Spectrum Management

Office of Services

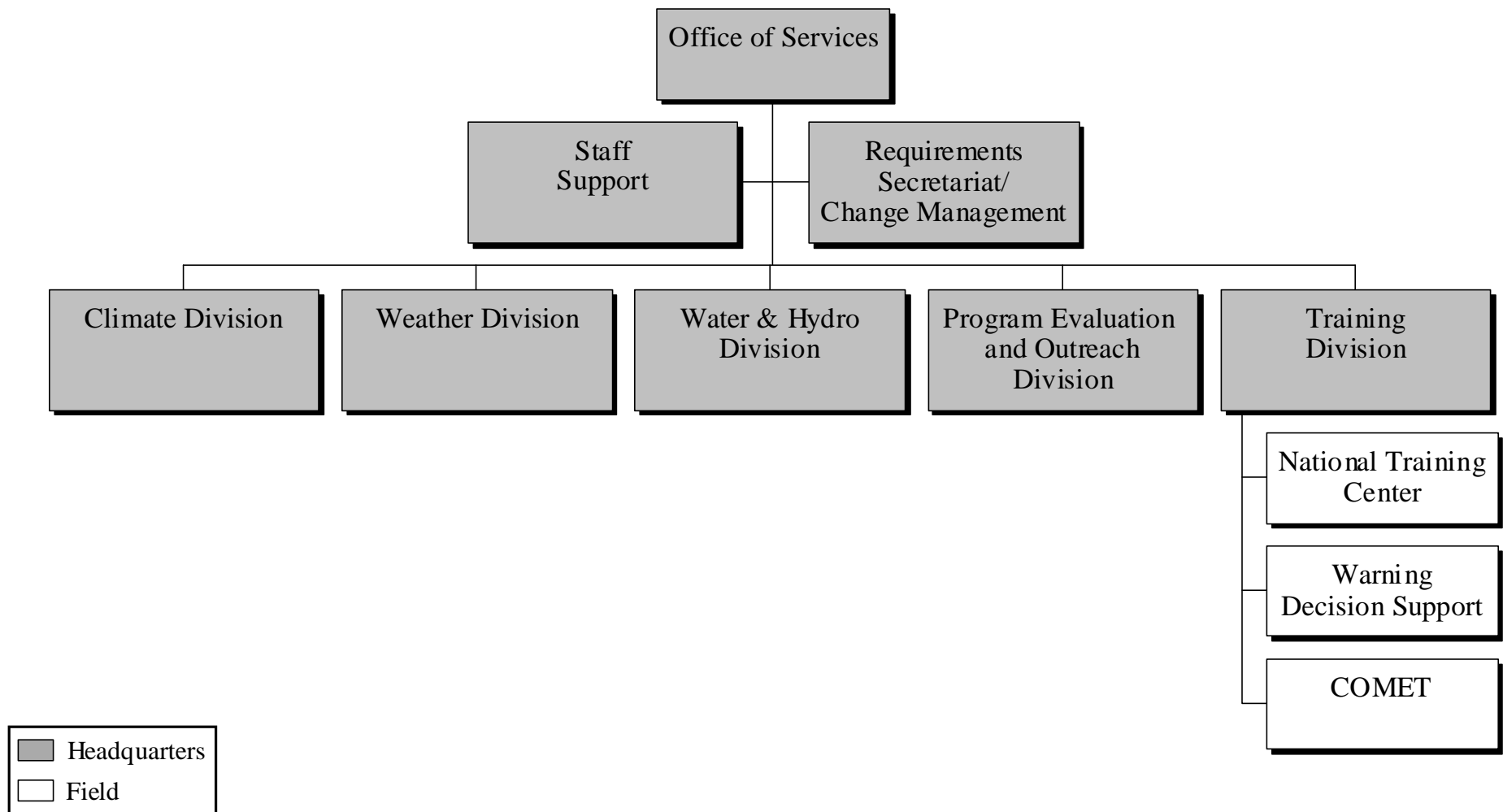


Office of Services

Mission: Oversee delivery of services, provide liaison with our partners, set national requirements, and ensure trained staff

- P Conduct customer/partner outreach
- P Define customer requirements
- P Develop and issue national policy for service programs and operations
- P Develop and issue service performance standards and evaluation methods
- P Assess service delivery
- P Establish workforce skills requirements
- P Manage training program

Office of Services



Office of Services

Requirements Secretariat

- P** Facilitates overall NWS requirements process and systems change management activities
 - < Ensures linkage between NWS provided services and system implementation
 - < Provides staff support to National Requirements Review Board
 - < Tracks status of activities in the requirements / change management process
 - < Provide Support for Systems Coordination Council, Nexrad Program Management Committee

Office of Services

Weather Division

P Provide overall planning, policy development, and customer interface for weather services:

- < Public Services
- < Aviation Services
- < Marine Services
- < Fire Weather Services

Office of Services

Water and Hydrology Division

P Provide overall planning, policy development, and customer interface for water and hydrologic services

- < Flash Flood Services

- < Flood Services

Office of Services

Climate Division

P Provide overall planning, policy development, and customer interface for climate services:

- < Seasonal Outlooks
- < El Nino Forecasts
- < Operational Climate Forecasts
- < Roles at NCEP and field offices
- < Coordinate water climate and weather outlooks

Office of Services

Program Evaluation & Outreach Division

- P Significant weather event notification
- P Outreach Planning
 - < Preparedness/awareness materials
 - < Constituent workshops
 - < Educational outreach
- P Private sector relations
- P Service assessment
- P Performance measurement
- P Dissemination Services
- P Observation Services
- P Societal Impact Analysis
- P Forensic Services

Office of Services

Training Division

P Plan, coordinate and execute the NWS training program

- < Public Education

- < Partner Education

- < NWS training providers

 - National Training Center

 - COMET

 - Warning Decision Support Training

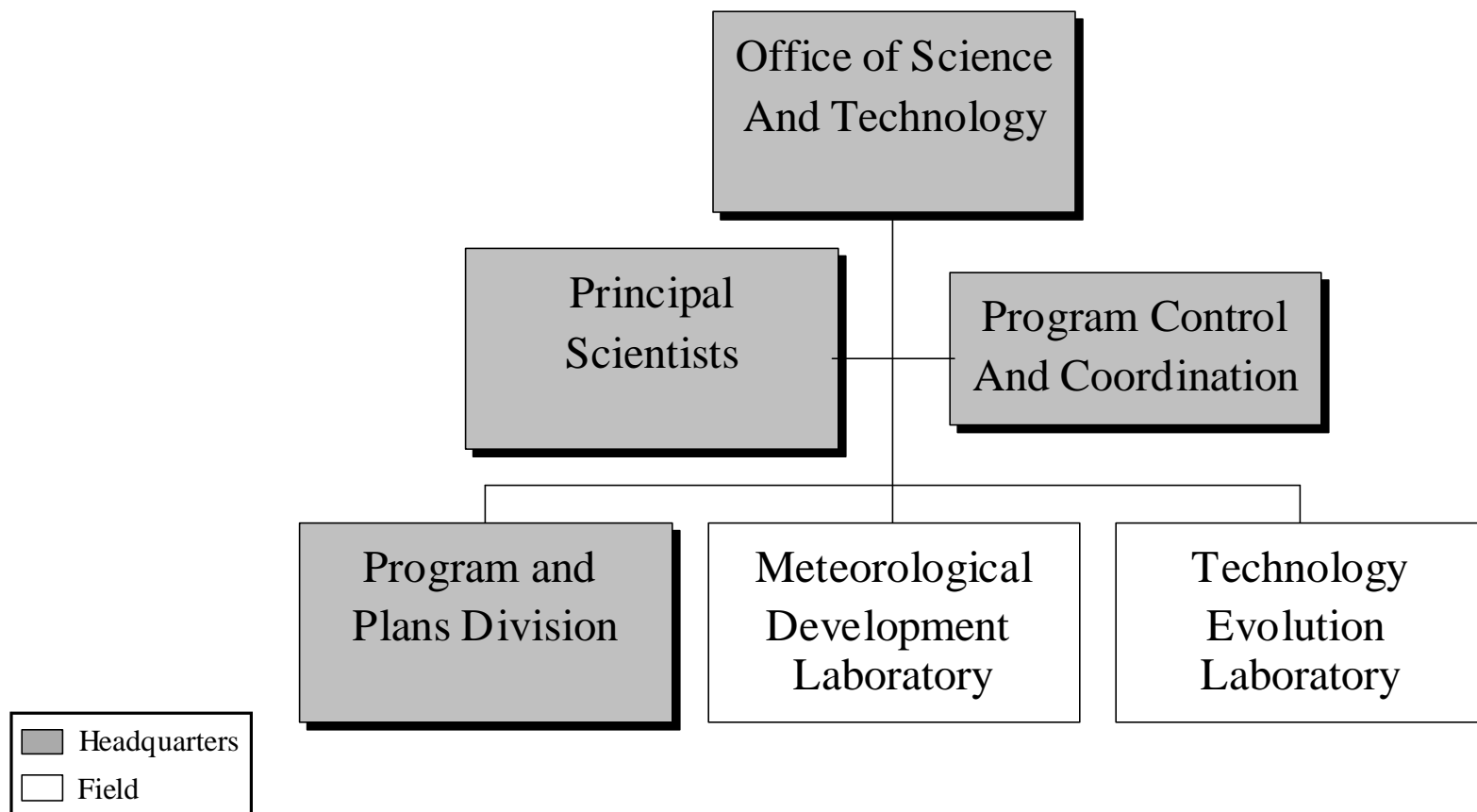
Office of Science and Technology

Office of Science and Technology

Mission: Through leadership and partnerships, identify science and technology requirements and manage their development and implementation

- P Develop science and technology priorities
- P Establish and maintain integrated research and development plan
- P Collaborate with academic and research communities
- P Manage Science and Technology development laboratories
- P Develop technology evolution plan
- P Coordinate NWS science programs and plans -- weather, water, and climate

Office of Science and Technology



Office of Science and Technology

Programs and Plans Division

P Formulate and maintain overall science plan

P Manage science programs

- < Oversight of Cooperative Institutes

- < Coordinate, monitor, and review all NWS science activities, —
weather, water, and climate

- < Manage activities sponsored at NOAA Research Labs

- < Monitor and review industry and government activities relevant to
the NWS mission

P Promote NWS and NOAA science priorities in the broader
atmospheric community (e.g., UCAR, USWRP, academia)

Office of Science and Technology

Programs and Plans Division (Cont)

- P Provide NOAA/NWS Science Leadership in National Programs (e.g., NAOS)
- P Support the implementation of new techniques including the development of training and education materials
- P Document, maintain, and propose changes to the NOAA Weather Systems Architecture in response to service requirements and new technology (coordinate with CIO)
- P Formulate and manage the development of the Integrated Observing System
- P Assist Office of Services in the development and maintenance to improve NWS operations

Office of Science and Technology

Program Control and Coordination Staff

- P Assist Plans and Policy Division to establish program baselines and appropriate performance metrics for development activities
- P Support the Division and Labs in providing routine status reports on the progress of programs
- P Provide administrative support to the Office

Office of Science and Technology

Technology Evolution Laboratory

- P** Plan and manage demonstration programs to evaluate the effectiveness and maturity of new techniques
- P** Conduct site systems engineering, development, software management, and test and evaluation to meet objectives of the technology evolution plans including:
 - < Integrated surface observing/ASOS Product Improvement
 - < Modernizing upper air systems
 - < AWIPS System Evolution
 - < NEXRAD Product Improvement
- P** Explore potential new technologies to support goals of the NWS Strategic Plan

Office of Science and Technology

Meteorological Development Laboratory

P Design, develop and test techniques to support operations to meet the objectives of technology evolution plans and the NWS Science plan including:

- < data integration and interpretation tools
- < local forecast models and techniques
- < product preparation system

P Explore new techniques to meet the goals of the NWS Strategic Plan

Office of Hydrologic Development

Office of Hydrologic Development

Mission: Identify, develop, test, and support hydrologic forecast algorithms/tools and hydrologic data to improve efficiency and effectiveness of the hydrologic operations and services

P Identify hydrologic science and technology to satisfy service requirements

P Manage Hydrologic Research/Development Lab

P Manage Product Improvement

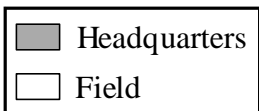
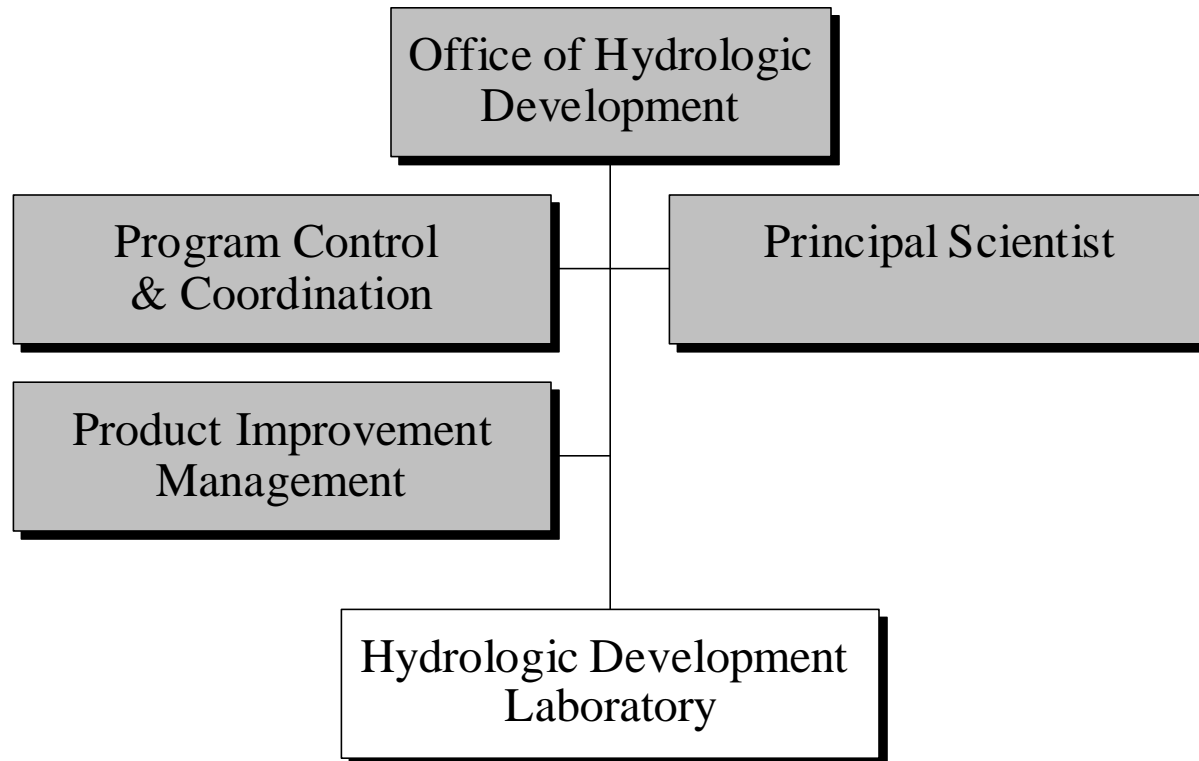
- < RFC/WFO Hydrologic Forecast Development/Support

- < AHPS

- < Hydrologic Data Development

P Oversee Cooperative Hydrologic Research

Office of Hydrologic Development



Office of Hydrologic Development

Hydrologic Development Laboratory

P Design, develop, test, and support hydrologic forecast systems for RFC and WFO

- < Forecast model, components, techniques
- < Interactive forecast/decision support techniques
- < Product preparation

P Design, develop, and support hydrologic data access, management, and analyses systems in support of RFC/WFO hydrologic forecasting/services

- < Radar, rain gauge, and satellite multi-sensor precipitation techniques
- < Snow cover and water equivalent data access, analyses, updating techniques
- < Utilization techniques for NCEP model data (QPF, Temperature) for hydrologic forecasting
- < Integrated data management system for RFC/WFO

Office of Hydrologic Development

Product Improvement Management Staff

- P Formulate and maintain hydrologic science plan in response to service requirements
- P Coordinate with Office of Science and Technology
- P Manage Product Improvement
 - < RFC/WFO Hydrologic Forecast Development
 - < AHPS Program Management
 - < Hydrologic Data development
- P Oversee Cooperative Hydrologic Research
- P Plan/Manage demonstration programs of new techniques
- P Plan implementation of new techniques

Office of Operational Systems

Office of Operational Systems

Mission: Oversee management of operational systems

P Provide systems management oversight for:

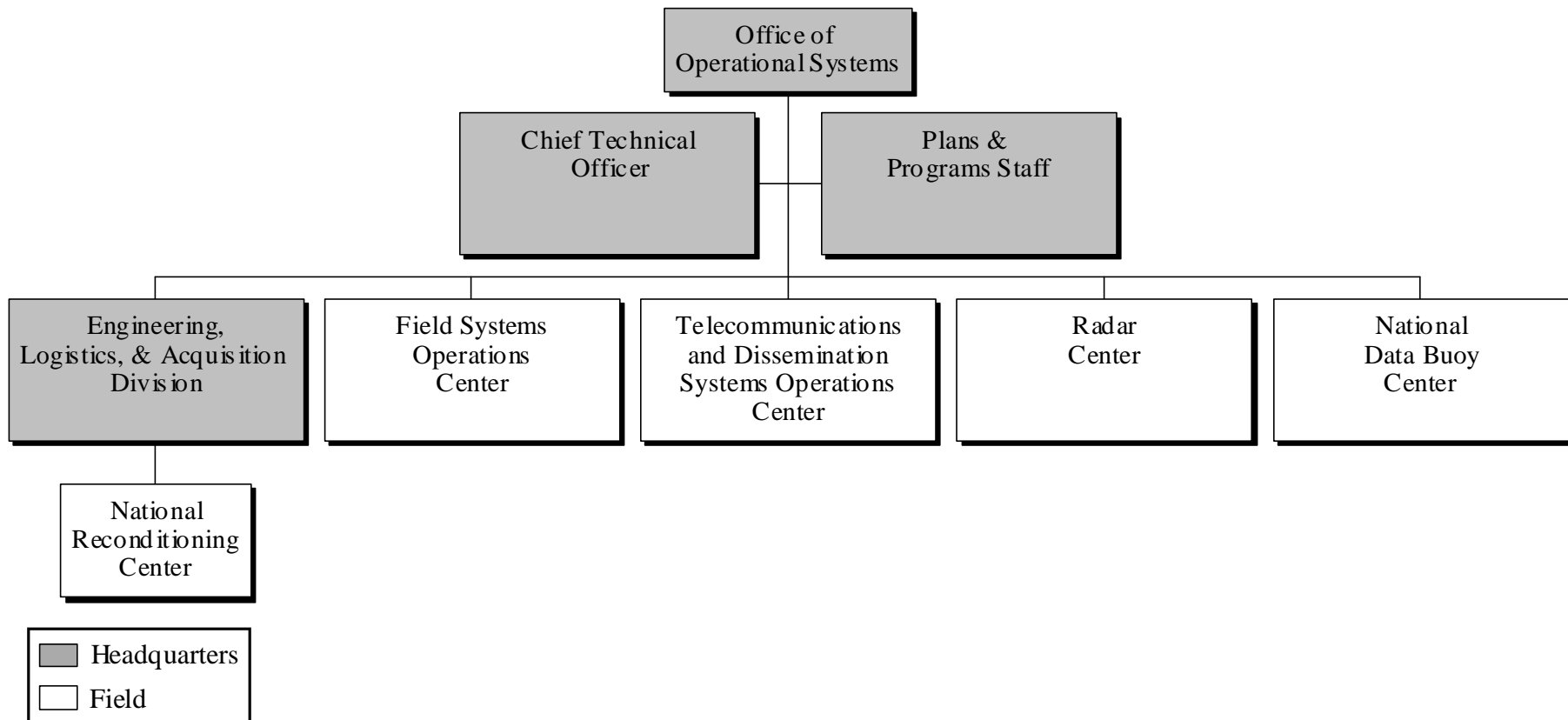
- < Observing Systems - ASOS, Coop, VOS, Buoy, hydro, U/A, WSR-88D, lightning, Profiler
- < Forecasting Systems - AWIPS
- < Dissemination Systems - NOAAPort/WAN, NWWS, NWR, WAFS, EMWIN

P Manage large-scale system acquisitions

P Coordinate interagency systems management

P Manage software maintenance

Office of Operational Systems



Office of Operational Systems

Engineering, Logistics and Acquisition Division

- P Oversee operations of NRC
- P Establish policy, oversee and monitor field facilities and systems maintenance
- P Test systems before placing modifications and new systems in service
- P Maintain configuration control of field systems
- P Acquire major systems and improvements to existing systems
- P Serve as COTR for designated systems

Office of Operational Systems

Field Systems Operations Center

- P** Oversee AWIPS, ASOS, Upper Air, Profilers, Coop, VOS, and Hydro observations systems
- P** Provide engineering and software maintenance support for AWIPS, ASOS, Upper Air, and other related systems

Office of Operational Systems

Telecommunication & Dissemination Systems Operations Center

- P Operate Telecommunication Gateway including communications to NCEP remote centers
- P Manage/operate central field telecommunication systems including AFOS, NCF, AWIPS, & AOMC in accord with telecomms architecture
- P Manage dissemination system operations including NWWS, NWR, CRS, EMWIN, IWIN, NOAAPort, WAFS
- P Maintain telecommunication and dissemination system software

Office of Operational Systems

Radar Center

- P Manage operations of WSR-88D systems
- P Provide engineering and software maintenance support of radars in cooperation with AWIPS operations staff

Office of Operational Systems

National Data Buoy Center

- P Manage data buoy operations
- P Provide Engineering and software support for buoy operations
- P Operate NWS test center for all surface sensor systems